Abstract

Methods and systems are provided for making one or more structural stud trusses without the need for using a jig when the truss is assembled. In one embodiment, data identifying a plurality of structural stud members for making the truss is generated. The data includes data for each stud including physical stud parameters and one or more locations for an alignment guide where another member is to connect with it. A roll forming machine is controlled with the generated data to produce the plurality of stud members whereby the roll forming machine applies one or more alignment guides onto each member based on locations identified in the generated data. Finally, after all or some of the stud members are formed, the members are assembled to form the truss using the alignment guides to align connecting members with each other in order to fasten them together.